Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	12/09/2016 12:09 PM
Tube Loaded Manually:	Yes	Cytometer Baseline:	07/29/2016 03:45 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123974	-1	4.65	123690	4.65
Blue	F	SSC	125000	124049	-1	3.50	124278	3.18
Blue	E	FITC	22946	22129	-4	2.55	989	10.15
Blue	D	PE	28770	28370	-2	2.25	1018	9.47
Blue	B	PerCP-Cy5-5	51099	50338	-2	3.61	1451	16.68
Blue	A	PE-Cy7	42312	41970	-1	5.30	653	34.05
Red	C	APC	52169	51719	-1	2.75	2971	9.60
Red	A	APC-Cy7	56705	56025	-2	2.81	1157	11.44
Violet	B	V450	14708	14034	-5	4.78	671	11.25
Violet	A	V500	58608	57269	-3	4.61	2547	7.49

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17065	27.67	603	5	N/A	N/A	Pass
Blue	F	SSC	61246	1.69	533	15	N/A	N/A	Pass
Blue	E	FITC	110	39.30	538	7	0.0214	193	Pass
Blue	D	PE	223	28.24	536	10	0.1778	259	Pass
Blue	B	PerCP-Cy5-5	225	45.35	632	10	0.0105	137	Pass
Blue	A	PE-Cy7	69	125.45	681	10	0.0133	34	Pass
Red	C	APC	346	27.77	593	3	0.0195	39	Pass
Red	A	APC-Cy7	126	40.81	577	1	0.0052	1448	Pass
Violet	B	V450	81	62.03	470	11	0.0380	4414	Pass
Violet	A	V500	183	40.62	500	12	0.0132	5624	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.02	-30.47	0.84
Blue	20.34	16.27 - 24.41	1.25	0.99 - 1.49	0.00	0.00	1.33
Red	15.54	13.27 - 19.91	N/A	N/A	30.64	31.19	1.16

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 9515

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments